

ABSTRACT OF THE DISCLOSURE

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Foamed cellular particles made from an expandable polymer composition are formed at the plant of the polymer producer and shipped to the foam molder for making foam articles.

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The foamed cellular particles have a bulk density between 34.3 pounds per cubic foot (550 kilograms per cubic meter) and 12.5 pounds per cubic foot (200 kilograms per cubic meter) and a blowing agent e.g. pentane less than 6.0 wt%,

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i.e. ranging in an amount of 2.0 and 5.0 wt %, i.e. between 2.5 and 3.5 wt %. These particles have an established cell structure and a fixed number of cells. The average cell size ranges between 5 and 100 microns. The foamed cellular

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particles are shipped to the foam molder a) in packages with a material strength that is less than the packages used for shipping expandable polymer particles and b) at a total shipment weight that is equal to the total shipment

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weight of the expandable particles. The foamed cellular particles can be used to form foam articles using conventional processes and equipment without the need to impregnate the foamed cellular particles with an additional

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amount of blowing agent.